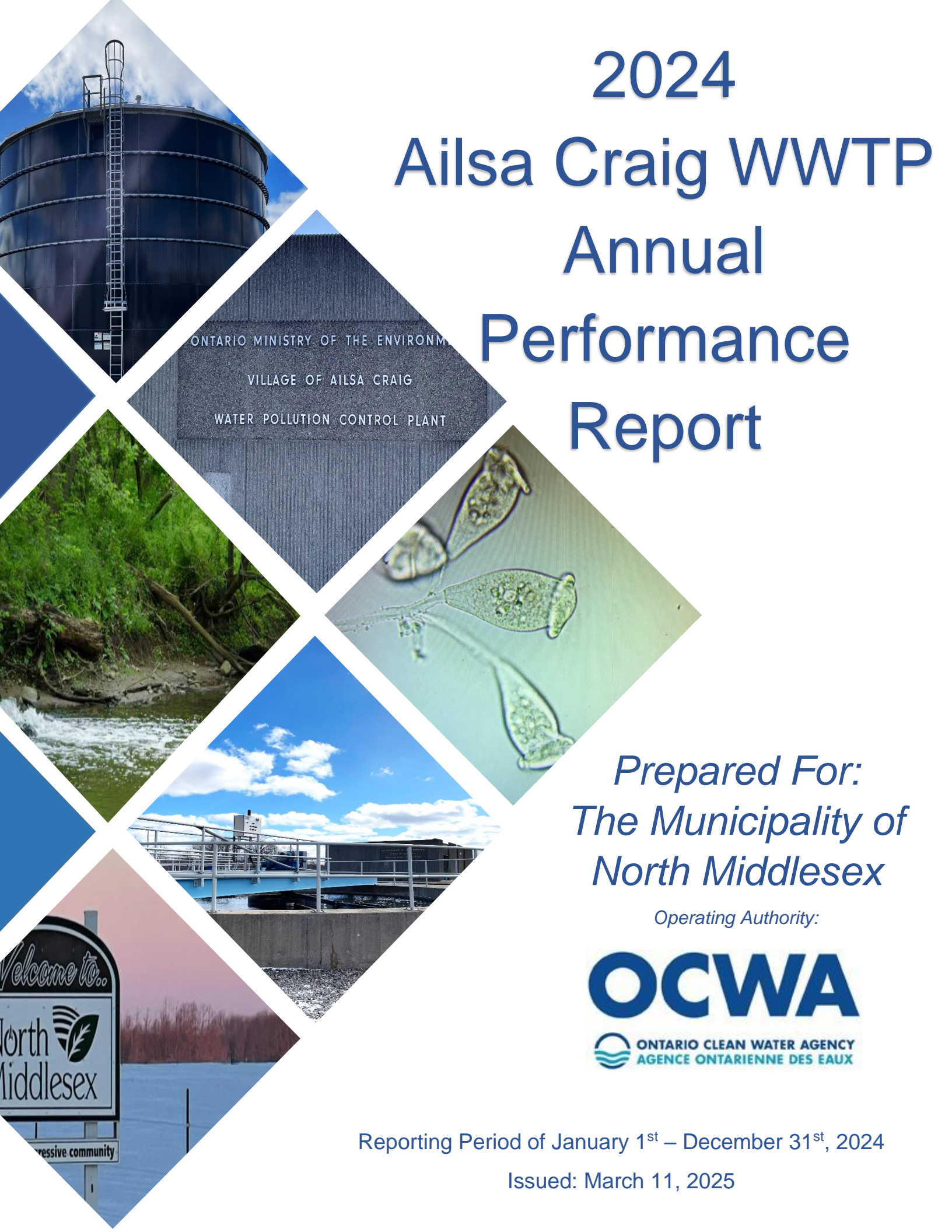


2024 Ailsa Craig WWTP Annual Performance Report



ONTARIO MINISTRY OF THE ENVIRONMENT
VILLAGE OF AILSA CRAIG
WATER POLLUTION CONTROL PLANT

*Prepared For:
The Municipality of
North Middlesex*

Operating Authority:



Reporting Period of January 1st – December 31st, 2024

Issued: March 11, 2025

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Overview

The following report was prepared by Ontario Clean Water Agency on behalf of The Municipality of North Middlesex in accordance with:

- Condition 11(5) (a) through (l) cited in Environmental Compliance Approval #4151-7DPSHZ issued April 15, 2008, to The Corporation of the Municipality of North Middlesex.
- Schedule E (4) cited in Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) #002-W601 issued September 26, 2023, to The Corporation of the Municipality of North Middlesex.

System Process Description

The Ailsa Craig WWTP is located at 4381 Elginfield Road, Ontario. The plant is an extended aeration secondary treatment facility, with a rated capacity of 1210 m³/d and comprised of the following components:

- Wastewater collection system and pumping stations
- Preliminary treatment facility consisting of screens and grit removal
- Extended aeration tanks consisting of biological treatment and supplementary treatment system
- Tertiary treatment facility
- Ultraviolet (UV) Light Disinfection system
- Biosolids handling consisting of aerobic digester and biosolids storage

Raw Wastewater Collection

Raw sewage typically flows by gravity through the collection system. Where gravity flow is not possible due to elevation restrictions, there are three pumping stations: New Ontario, Bear Creek, and William Street.

New Ontario and Bear Creek Pumping Stations have two submersible pumps each (1 duty/1 standby). These pumps have a rated capacity of 23.9 L/s and 19.0 L/s, respectively. Pumped sewage from the New Ontario and Bear Creek Pumping Stations flows into the William Street Pumping Station. The William Street Pumping Station has three pumps (2 duty, 1 standby), each with a rated capacity of 29 L/s. The William Street Pumping Station pumps sewage to the Ailsa Craig WWTP via a 150mm forcemain.

Milltronics monitor wet well levels and control the start/stop cycle of all pumps as well as high-level alarms. There are also back-up float alarms at all pumping stations. The William Street Pumping Station has an emergency back-up generator.

Both Bear Creek and William Street Pumping Stations have sewer overflows. Bear Creek flows into the McIntyre Drain and then into the Ausable River. William Street flows directly into the Ausable River.

Inlet Works

Raw sewage flows from the collection system and the three pumping stations into the wet well. Raw sewage passes through an automatic bar screen on route to the vortex grit removal system equipped

with an airlift pump and a grit classifier. Grit is removed and conveyed into a bin that is sent to landfill for disposal. Raw sewage continues to flow by gravity to the aeration tanks.

Extended Aeration

Ailsa Craig WWTP is equipped with two aeration tanks with fine bubble diffusers. Following screening and grit removal operations, wastewater flows by gravity through a 600 mm open channel and discharged directly into the aeration tanks. Aeration tanks operate continuously on a flow displacement basis utilizing the extended aeration activated sludge process as the basis for treatment.

As wastewater is introduced into the aeration tanks and is mixed with the tank contents, oxygen is continuously supplied to the mixed liquor, which converts the substrate supplied to the aeration tanks to carbon dioxide, metabolic end products, and additional biomass.

Three positive displacement air blowers provides for the necessary oxygen requirements for the aeration process.

The phosphorus removal system consists of one polymerized aluminum sulphate (alum) feed system with three chemical feed pumps discharging into the aeration tanks inlet.

Secondary Clarifiers

Sewage is split amongst two centre feed round clarifiers. Return activated sludge (RAS) collected from clarifiers can be transferred to the aeration tanks or waste activated sludge (WAS) is discharged to the digester.

Tertiary Filters

Effluent from the secondary clarifiers flows by gravity into the influent channel of the tertiary filters. Each filter cell is equipped with an underdrain system supporting the filtration media. Flow passes through the filter media by gravity; impurities such as suspended solids are trapped in the filter media. The filtered water from the effluent channel is discharged over the effluent weir into the influent channel of the UV.

Final Effluent Disinfection

Filtered effluent is disinfected by UV light and then discharged to the Ausable River. The UV system consists of one bank (2 banks for future flow) comprised of three modules with four lamps.

Biosolids Handling

Biosolids are digested aerobically in one of the two aerobic digesters. Digested biosolids are then stored in a glass-fused steel storage tank with a holding capacity of 2100 m³. Biosolids are land-applied in accordance with the *Nutrient Management Act*.

Standby Power

The wastewater treatment plant has an automatic standby generator to operate essential components when a utility power failure occurs.

System Facts:

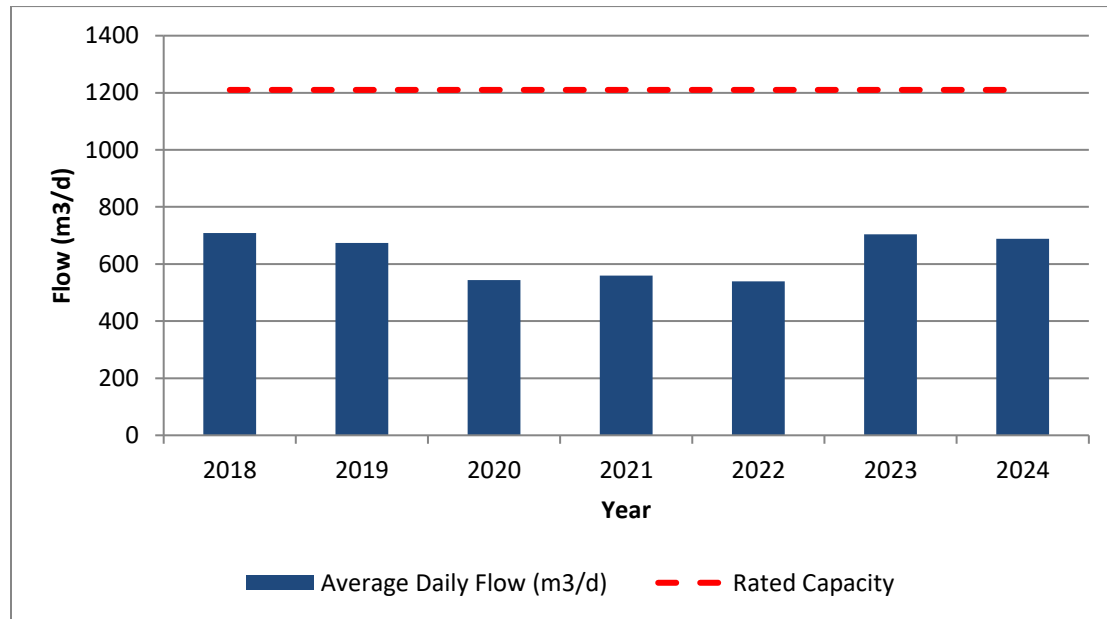
Environmental Compliance Approval (ECA)	#4151-7DPSHZ (issued April 15, 2008)
Consolidated Linear Infrastructure (CLI) ECA	#002-W601 (issued September 26, 2023)
Rated Capacity	1210m ³ /d
Receiving Water	Ausable River

The Alisa Craig WWTP and Wastewater Collection (WWC) System were operated in accordance with the provincial regulations as required in ECA #4151-7DPSHZ and CLI-ECA #002-W601.

Influent Monitoring

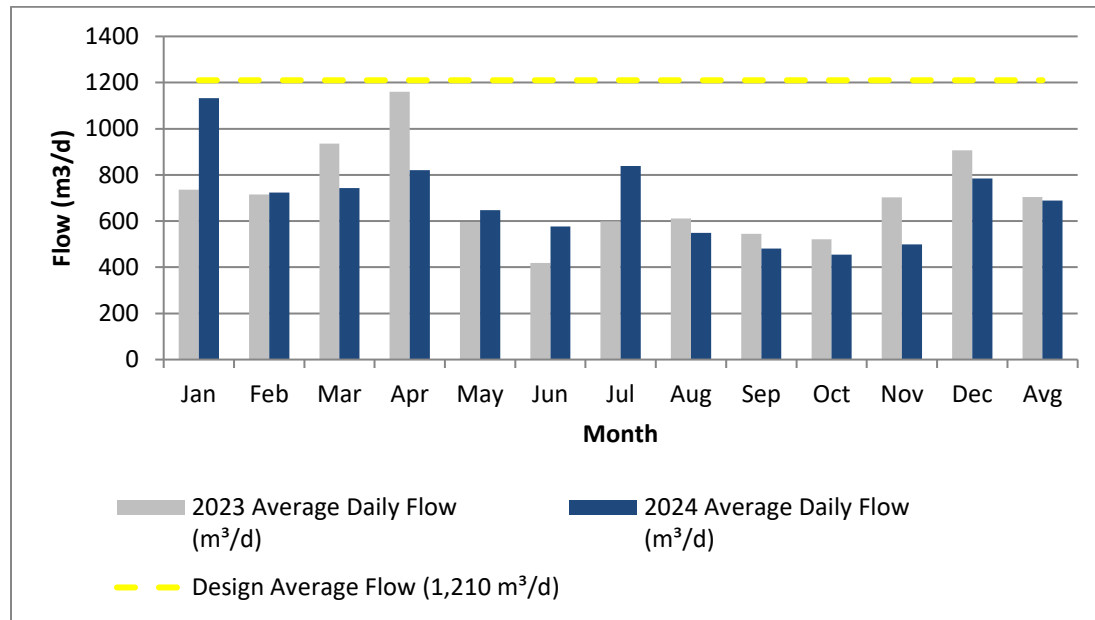
The Alisa Craig WWTP is rated to treat an average daily flow of 1210 m³. Refer to Figure 1 for a comparison of the average daily flow for the last seven years against the rated capacity of the plant. In 2024, the WWTP was at 57% of the rated capacity. This capacity, however, is based on raw influent capacity as defined in the ECA and does not reflect projected capacity once development is taken into account.

Figure 1: Influent Flows 2018-2024



In 2024, raw sewage average daily flow was 688 m³/d, essentially equal to the value of 704 m³/d in 2023. Refer to Figure 2 for 2024 average daily flows by month and the corresponding annual average.

Figure 2: Average Daily Flows by Month



Septage Receiving

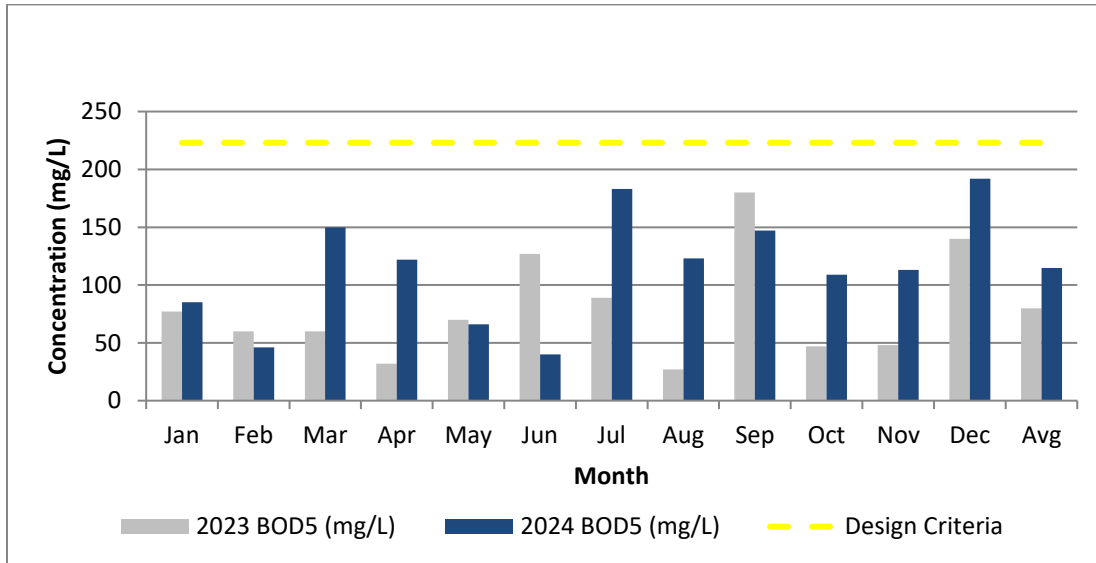
The Ailsa Craig WWTP did not accept septage waste in 2024. Thus, no samples were obtained as per ECA requirement Condition 9, Table 4.

Influent Data

Influent is monitored for Biochemical Oxygen Demand (BOD₅), Total Suspended Solids (TSS), Total Phosphorous (TP) and Total Kjeldahl Nitrogen (TKN) on a monthly basis by means of composite sample. These parameters are measured against the design criteria of the Ailsa Craig WWTP. Values above design concentration can result in ineffective treatment of raw sewage and lead to limit exceedances. In 2024, all parameters were higher than their 2023 averages, likely due to decreased precipitation. However, no influent parameters exceeded the design criteria in 2024.

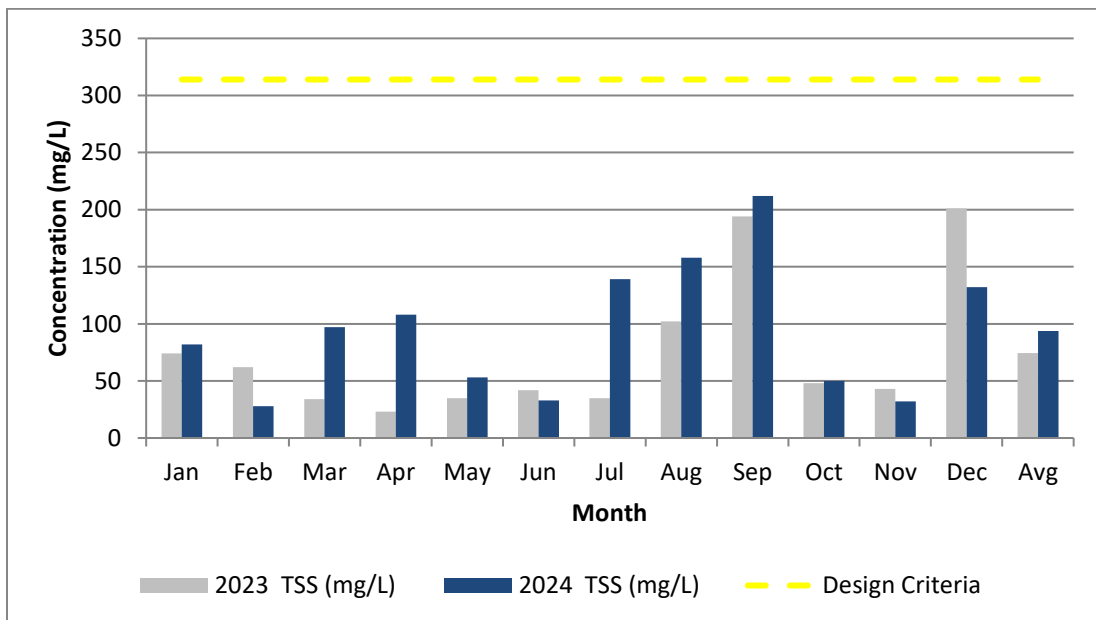
In 2024, the average raw BOD₅ concentration was 115 mg/L, a 43% increase from 2023. Refer to Figure 3 for a comparison of 2024 monthly raw BOD₅ concentrations to 2023 concentrations.

Figure 3: Raw BOD₅ Concentrations



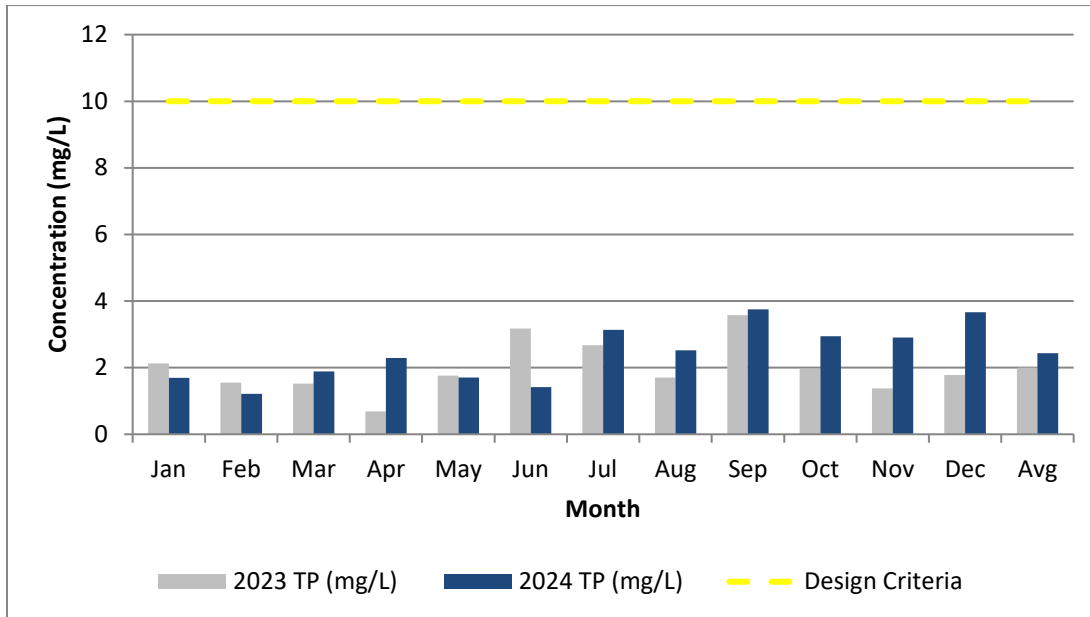
In 2024, the average raw Total Suspended Solids concentration was 94 mg/L, a 26% increase from 2023. Refer to Figure 4 for a comparison of 2024 monthly raw Total Suspended Solids concentrations to 2023 concentrations.

Figure 4: Raw TSS Concentrations



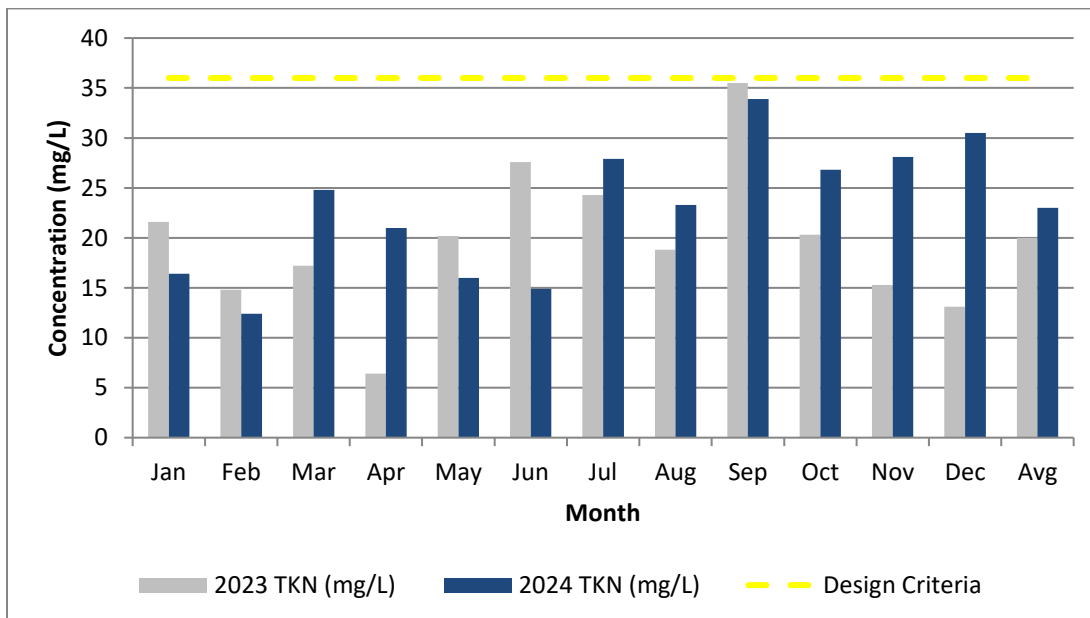
In 2024, the average raw Total Phosphorus concentration was 2.4 mg/L, a 22% increase from 2023. Refer to Figure 5 for a comparison of 2024 monthly raw Total Phosphorus concentrations to 2023 concentrations.

Figure 5: Raw TP Concentrations



In 2024, the average raw Total Kjeldahl Nitrogen concentration was 23 mg/L, a 15% increase from 2023. Refer to Figure 6 for a comparison of 2024 monthly raw Total Kjeldahl Nitrogen concentrations to 2023 concentrations.

Figure 6: Raw TKN Concentrations



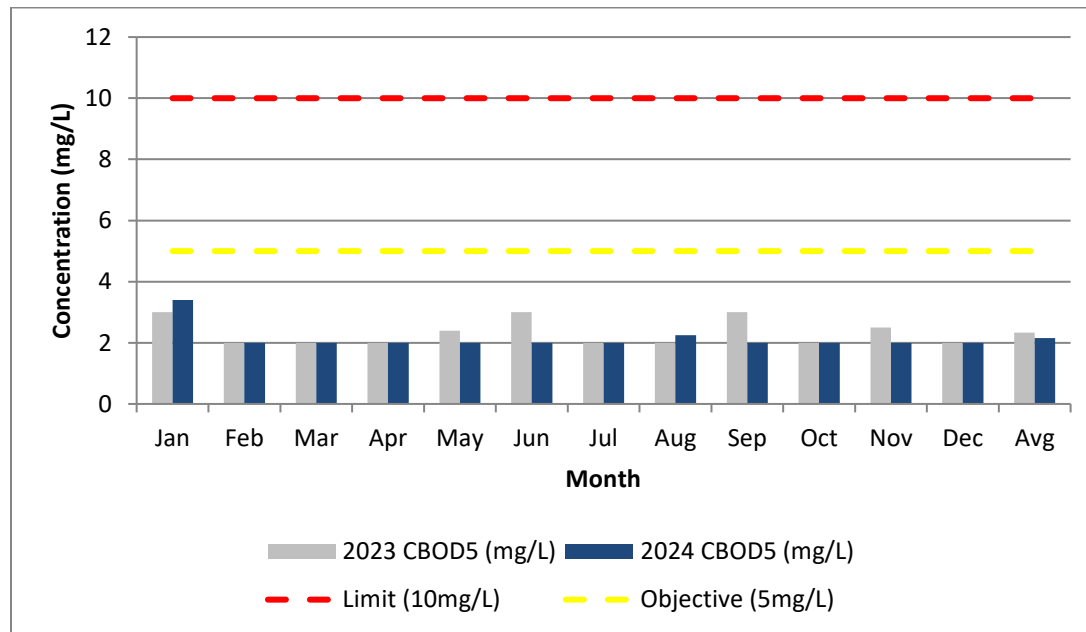
Effluent Monitoring

Effluent from the Ailsa Craig WWTP is sampled on a weekly basis by composite sample. Effluent is analyzed for Carbonaceous Biochemical Oxygen Demand (CBOD₅), Total Suspended Solids, Total Phosphorous and Total Ammonia Nitrogen (TAN). Grab samples are collected weekly and tested for E.coli, pH and Temperature. For details on objective and limit exceedances, refer to ‘Summary of Efforts Made to Achieve Design Objectives’.

Comparison to Compliance Limits and Objectives

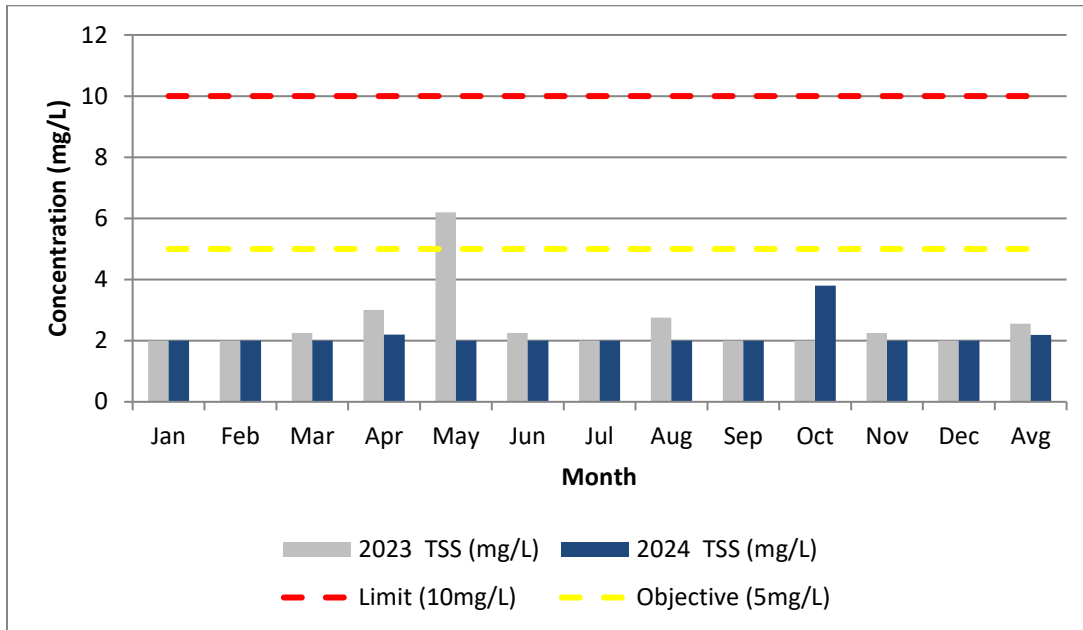
In 2024, the average monthly effluent (CBOD₅) concentration was 2.2 mg/L, an 8% decrease from 2023. The objective, limit and annual loading limit was met throughout the year. Refer to Figure 7 for a comparison of 2024 monthly effluent CBOD₅ concentrations to 2023 concentrations.

Figure 7: Effluent CBOD₅ Concentrations



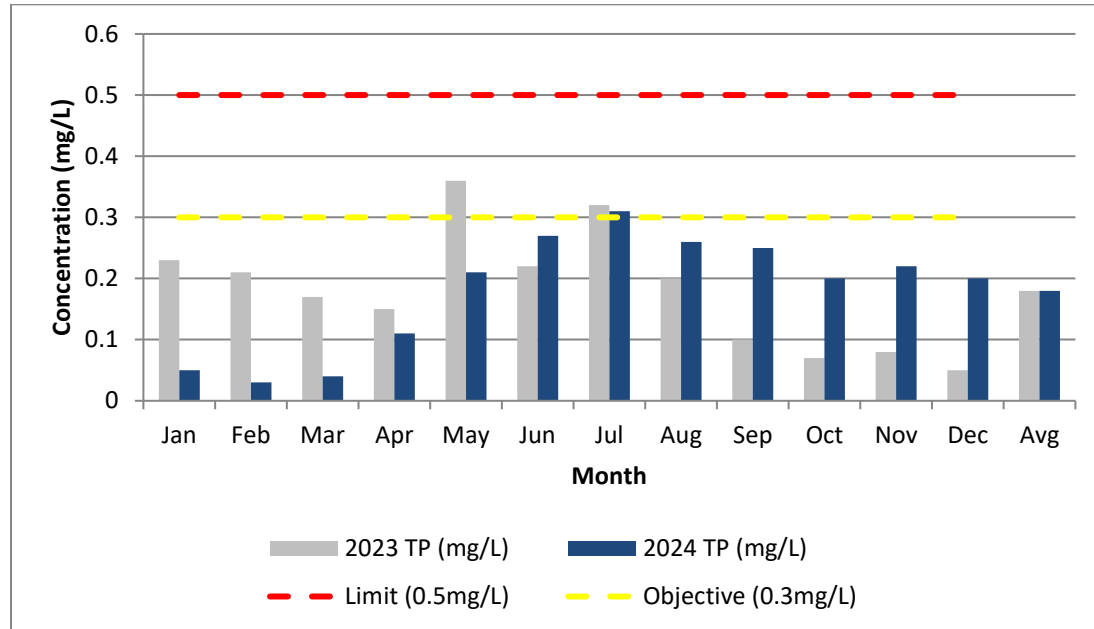
In 2024, the average monthly effluent Total Suspended Solids concentration was 2.2 mg/L, a 15% decrease from 2023. The objective, limit and annual loading limit was met throughout the year. Refer to Figure 8 for a comparison of 2024 monthly effluent Total Suspended Solids concentrations to 2023 concentrations.

Figure 8: Effluent TSS Concentrations



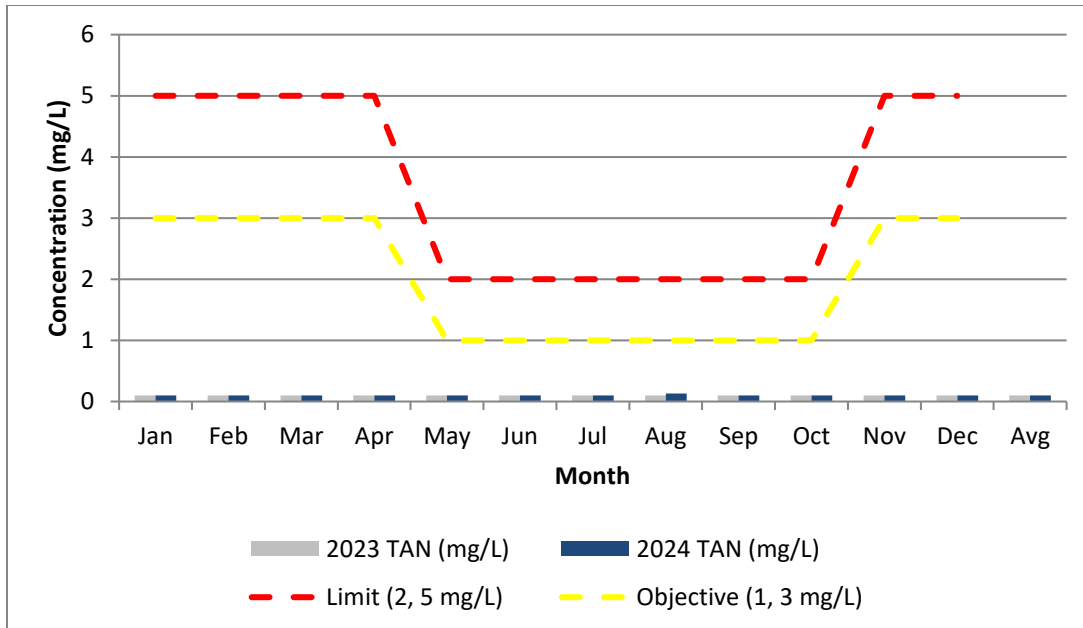
In 2024, the average monthly effluent Total Phosphorus concentration was 0.18 mg/L, equal to the 2023 value. The objective, limit and annual loading limit was met throughout the year. Note that July’s objective was met as the monthly average with significant digits did not exceed the objective. Refer to Figure 9 for a comparison of 2024 monthly effluent Total Phosphorus concentrations to 2023 concentrations.

Figure 9: Effluent TP Concentrations



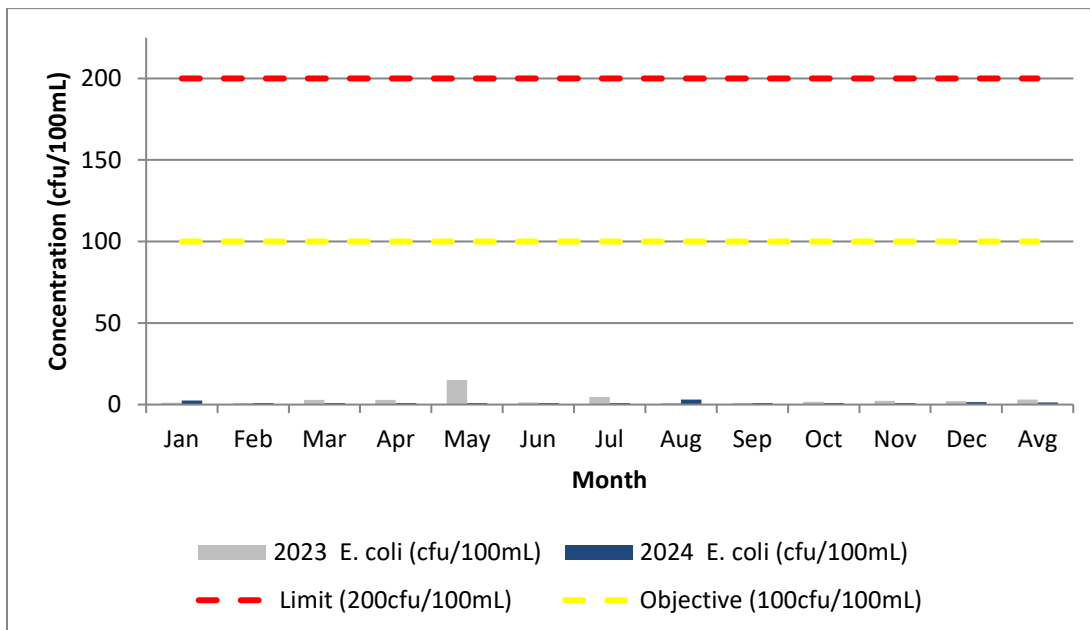
In 2024, the average monthly effluent Total Ammonia Nitrogen was 0.1 mg/L, equal to the 2023 value. The objective, limit and annual loading limit was met throughout the year. Refer to Figure 10 for a comparison of 2024 monthly effluent Total Ammonia Nitrogen concentrations to 2023 concentrations.

Figure 10: Effluent TAN Concentrations



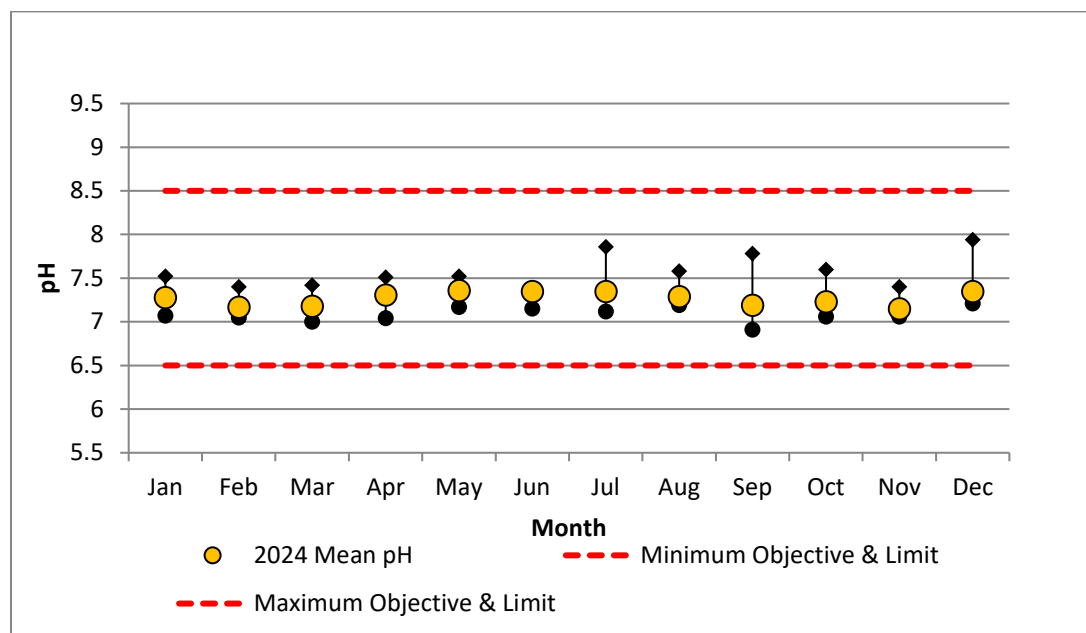
In 2024, the monthly geometric mean effluent E. coli concentration in 2023 was 1 cfu/100mL, a 56% decrease from 2023. Refer to Figure 11 for a comparison of 2024 monthly effluent E. coli concentrations to 2023 concentrations.

Figure 11: Effluent E. coli Concentrations



In 2024, pH at the Ailsa Craig WWTP ranged from 6.91 to 7.94. Refer to Figure 12 for a comparison of 2024 monthly effluent pH values to the objective/limit.

Figure 12: Effluent pH Values



Effluent Loading

Effluent limits for annual average loading were met for the WWTP, refer to Table 1 for a summary of results.

Table 1: Annual Loading Results

Parameter	Annual Average Loading (kg/d)	Average Waste Loading Limit (kg/d)
CBOD ₅	1.48	12.1
Total Suspended Solids	1.51	12.1
Total Phosphorus	0.12	0.60
Total Ammonia Nitrogen	0.07 (non-freezing) 0.07 (freezing)	2.42 (non-freezing) 6.05 (freezing)

Operating Problems and Corrective Actions

The largest challenge to the Ailsa Craig WWTP and WWC system is new and proposed development. Although the current facilities are performing well based on the current flows to the plant, the plant’s capacity will be strained with new development. Another challenge is aging infrastructure, specifically within the collection system.

Capital and major maintenance recommendations have been submitted by OCWA to the Municipality of North Middlesex to address aging infrastructure and ongoing maintenance requirements for the

collection system and WWTP to continue to produce high quality effluent. Items on the list for 2025 include:

- Sanitary chamber inspections
- Installation of a second travelling bridge for redundancy
- Hydro optimization – VFD HVAC System
- Blower rebuild
- Miltronic/float replacements – Victoria Street Pumping Station
- Pump/Check Valve replacements – Ailsa Craig WWTP
- Final effluent auto sampler replacement

Maintenance Activities

Preventative and corrective maintenance is assigned and monitored within the Workplace Management System (WMS) program. Refer to Appendix A for the maintenance summary for 2024. Refer to Table 2 for a list of repairs and replacements that took place in 2024.

Table 2: Major Maintenance in 2024

Major Maintenance Wastewater
SCADA System Set Point Adjustments
CCTV Inspection – Nairn/Ailsa Craig WWC System
RAS Pump Replacement
Electronic Repairs – Bar Screen, UV System
Float replacements
Pump Mount and Check Valve Replacement – Backwash Pump 1
Rail Replacement – Sludge Transfer Pump
Sludge Tank Inspection
Aeration Tank #2 Cleaning/Inspection
CIMA Pump Drawdown Tests – Bear Creek and New Ontario Pumping Stations
Multiple Flow Meter Installations – BM Ross Groundwater Inflow Study

Effluent Quality Assurance

Effluent quality assurance is evaluated by monitoring parameters and changes throughout the facility's processes. Operational staff monitor plant performance by performing weekly in-house laboratory analysis on raw sewage, mixed liquor and effluent. Tests include: pH, temperature, dissolved oxygen, phosphorus, and Mixed Liquor Suspended Solids. Chemical dosages and wasting rates are also monitored and recorded. Data collected from these tests provides valuable information to the operators to make the appropriate adjustments in the treatment process and take corrective actions before the plant reaches its effluent limits.

Calibration Records

Influent and effluent flow meters and level transmitters were calibrated by Pierce Services and Solutions Inc. on March 29, 2024. The flow meters met the accuracy tolerance of being within 15% of the actual flow rate. Operational staff complete routine pH meter calibrations and verifications. Refer to Appendix B for 2024 calibration records.

Summary of Efforts Made to Achieve Design Objectives

All objectives and limits were met at the Ailsa Craig WWTP in 2024.

Sludge Generation

In 2024, the total sludge transferred to Ailsa Craig WWTP digesters was 5348.5 m³. The total sludge hauled was 1242 m³, a 15% decrease from 1462 m³ in 2023. All solids were applied to NASM approved agricultural land. See Table 3 below for sludge hauling details. All biosolids analysis showed that the biosolids met the quality criteria specified in the Ontario Guidelines for Sewage Biosolids Utilization on Agricultural Lands. The biosolids analysis was carried out by SGS Lakefield Research Laboratory.

Table 3: Sludge Hauling 2024

Date Hauled	Volume Hauled (m ³)	Location Deposited
October 22, 2024	880 m ³	NASM Site# 24609
October 23, 2024	362 m ³	NASM Site# 24609

It is estimated that approximately 1230 m³ of sludge will be produced in 2024.

Complaints

There were no complaints received for the Ailsa Craig WWTP or the WWC system in 2024.

Bypass, Overflows, Spills and Abnormal Discharge Events

The ECA requires additional daily sampling when a bypass or overflow event occurs. In 2024, there were three overflow events at the William Street Pumping Station, all of which were due to heavy rain/precipitation. Overflow was discharged into the Ausable River during these events. Refer to Table 4 for volumes discharged and sample results. There were no bypasses or spills in 2024.

Table 4: Overflow Event Summary

Type of Event	Date of Event	Reason for Event	Volume discharged	Sample Results				
				E. coli (cfu/100ml)	BOD ₅ (mg/L)	TSS (mg/L)	TP (mg/L)	TKN (mg/L)
Overflow	January 26, 2024	Heavy Rain/Snowmelt	362 m ³	880 000	68	69	0.69	7.3
Overflow	July 10, 2024	Heavy Rain	41.3. m ³	1 300 000	315	318	1.94	10.1
Overflow	July 16, 2024	Heavy Rain	325 m ³	1 300 000	113	323	0.65	5.9

Summary of Efforts Made to Achieve Conformance with F-5-1

The Municipality of North Middlesex has a separated collection system, therefore it is not required that a Pollution Prevention Control Program be established or maintained.

There are two designed overflows within the collection system: William Street and Bear Creek Pumping Stations. In 2024, three overflow events occurred at the William Street Pumping Station. This pumping station has been identified as under-capacity for future growth in the community of Ailsa Craig. To accommodate growth, the station was assessed for design upgrades in 2024. The Municipality of North Middlesex is currently seeking funding for this project. In addition, high velocity flushing and video inspections on 25% of the total collection is conducted each year with the plan to do a review of deficiencies found. The Municipality of North Middlesex is also in the process of implementing a sewer use bylaw to control connections to the collection system. These maintenance activities contribute to the reduction and elimination of future overflow and bypass events.

Appendix A

Maintenance Summary

WO #	Asset ID	Asset Description	Location Description	Class	Workorder Details			
					Work Order Description	Status	Schedule Start	Actual Finish
3714504			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	1/1/24 12:00 AM	1/31/24 01:58 PM
3714507			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	1/1/24 12:00 AM	1/4/24 03:12 PM
3714851	0000241371	ENGINE DIESEL 01 BACKUP POWER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel Bear Creek Insp/Test (1m) 5848	CLOSE	1/1/24 12:00 AM	1/9/24 02:05 PM
3714870	0000241372	ENGINE DIESEL EMERG POWER NEW ONTARIO PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel New Ont PS Insp/ Test (1m) 5848	CLOSE	1/1/24 12:00 AM	1/9/24 02:06 PM
3714889	0000248793	UV LIGHT BANK 02	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 02 Insp/Clean/ Service (1m/1y) 5848	CLOSE	1/1/24 12:00 AM	1/23/24 01:28 PM
3714896	0000248794	UV LIGHT BANK 03	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 03 Insp/Clean/ Service (1m/1y) 5848	CLOSE	1/1/24 12:00 AM	1/23/24 01:32 PM
3714903	0000248795	UV LIGHT BANK 01	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 01 Insp/Clean/ Service (1m/1y) 5848	CLOSE	1/1/24 12:00 AM	1/23/24 01:30 PM
3715123			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	WHMIS/MSDS/NSF Review and Update (1y) 5848	CLOSE	1/1/24 12:00 AM	3/1/24 02:33 PM
3715865			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	1/1/24 12:00 AM	1/9/24 02:07 PM
3736219	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Fire Protection Insp/Service (1m) - 5848	CLOSE	1/1/24 12:00 AM	1/9/24 02:15 PM
3740681	0000248820	SCRUBBER ODOUR CONTROL OC-7501 HEADWORKS RM	5848, Ailsa Craig WWTP & CS, Process, Sludge Treatment & Handling	Inspection	Quarterly Bird Screen Drum Scrubber inspection (3m) 5848	CLOSE	1/1/24 12:00 AM	1/8/24 12:06 PM
3749971	0000248966	PANEL ALARM/ DIALER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer Bear Creek P.S. Testing (1m) 5848	CLOSE	1/1/24 12:00 AM	1/9/24 02:08 PM
3749976	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WCPC Testing (1m) 5848	CLOSE	1/1/24 12:00 AM	1/9/24 02:09 PM
3749981	0000248965	PANEL ALARM/ DIALER NEW ONTARIO P.S.	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer New Ontario P.S. Testing (1m) 5848	CLOSE	1/1/24 12:00 AM	1/9/24 02:13 PM
3750907			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	1/1/24 12:00 AM	2/2/24 09:13 AM
3760168	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Compliance	RP03 Annual Report ECA (1y) 5848	CLOSE	1/6/24 12:00 AM	3/11/24 09:38 AM
3761960	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Compliance	WSER Quarterly Reporting (3m) 5848	CLOSE	1/12/24 12:00 AM	2/9/24 10:07 AM
3769934	0000248757	BLOWER POSITIVE DISPLACEMENT BL2101 AERATION BLOWER RM	5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Refurbish/ Replace/Repair	Blower Bl2101 Aeration Insp/ Service (1y) 5848	CLOSE	2/1/24 12:00 AM	2/15/24 03:47 PM
3770123			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Spill Kit Inspect AC WWTP & CS (6m) 5848	CLOSE	2/1/24 12:00 AM	2/9/24 12:49 PM
3770125			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	2/1/24 12:00 AM	2/22/24 03:19 PM
3770128			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	2/1/24 12:00 AM	2/22/24 07:32 AM
3770411	0000241371	ENGINE DIESEL 01 BACKUP POWER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel Bear Creek Insp/Test (1m) 5848	CLOSE	2/1/24 12:00 AM	2/14/24 03:40 PM
3770430	0000241372	ENGINE DIESEL EMERG POWER NEW ONTARIO PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel New Ont PS Insp/ Test (1m) 5848	CLOSE	2/1/24 12:00 AM	2/14/24 03:41 PM
3770449	0000248793	UV LIGHT BANK 02	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 02 Insp/Clean/ Service (1m/1y) 5848	CLOSE	2/1/24 12:00 AM	2/22/24 10:21 AM
3770456	0000248794	UV LIGHT BANK 03	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 03 Insp/Clean/ Service (1m/1y) 5848	CLOSE	2/1/24 12:00 AM	2/22/24 10:22 AM
3770463	0000248795	UV LIGHT BANK 01	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 01 Insp/Clean/ Service (1m/1y) 5848	CLOSE	2/1/24 12:00 AM	2/22/24 10:19 AM
3771193			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	2/1/24 12:00 AM	2/13/24 11:21 AM
3785690	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Fire Protection Insp/Service (1m) - 5848	CLOSE	2/1/24 12:00 AM	2/9/24 07:37 AM
3795730	0000248966	PANEL ALARM/ DIALER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer Bear Creek P.S. Testing (1m) 5848	CLOSE	2/1/24 12:00 AM	2/14/24 03:44 PM
3795735	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WCPC Testing (1m) 5848	CLOSE	2/1/24 12:00 AM	2/13/24 11:23 AM
3795740	0000248965	PANEL ALARM/ DIALER NEW ONTARIO P.S.	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer New Ontario P.S. Testing (1m) 5848	CLOSE	2/1/24 12:00 AM	2/14/24 03:45 PM
3796319			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	2/1/24 12:00 AM	2/27/24 07:31 AM
3812177	0000248840	METER FLOW FIT-1001 RAW SEWAGE FROM PS ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Process, Process Control & Monitoring	Calibration	Meter Flow Fit 1001 Raw Sewage Insp/Service (1y) 5848	CLOSE	3/1/24 12:00 AM	3/26/24 07:45 AM
3812183	0000248841	METER FLOW FIT-2301 WAS FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Process Control & Monitoring	Calibration	Meter Flow Fit 2301 Waste Insp/ Service (1y) 5848	CLOSE	3/1/24 12:00 AM	3/26/24 07:43 AM
3812189	0000248842	METER FLOW FIT-5001 FINAL EFFLUENT FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Process Control & Monitoring	Calibration	Meter Flow Fit 5001 Final Effluent Insp/Service (1y) 5848	CLOSE	3/1/24 12:00 AM	3/26/24 07:42 AM
3812388			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	3/1/24 12:00 AM	3/28/24 12:19 PM
3812391			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	3/1/24 12:00 AM	3/25/24 02:15 PM
3812672	0000241371	ENGINE DIESEL 01 BACKUP POWER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel Bear Creek Insp/Test (1m) 5848	CLOSE	3/1/24 12:00 AM	3/15/24 08:05 AM
3812691	0000241372	ENGINE DIESEL EMERG POWER NEW ONTARIO PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel New Ont PS Insp/ Test (1m) 5848	CLOSE	3/1/24 12:00 AM	3/15/24 08:16 AM
3812710	0000248793	UV LIGHT BANK 02	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 02 Insp/Clean/ Service (1m/1y) 5848	CLOSE	3/1/24 12:00 AM	3/19/24 10:59 AM
3812717	0000248794	UV LIGHT BANK 03	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 03 Insp/Clean/ Service (1m/1y) 5848	CLOSE	3/1/24 12:00 AM	3/19/24 11:00 AM
3812724	0000248795	UV LIGHT BANK 01	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 01 Insp/Clean/ Service (1m/1y) 5848	CLOSE	3/1/24 12:00 AM	3/19/24 11:01 AM
3812731	0000248832	TRAVELLING BRIDGE FILTER 5001 FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Bridge Travelling Insp/Service (3m/ 1y/5y) 5848	CLOSE	3/1/24 12:00 AM	3/26/24 03:00 PM
3813530			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	3/1/24 12:00 AM	3/15/24 08:20 AM
3839154	0000248966	PANEL ALARM/ DIALER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer Bear Creek P.S. Testing (1m) 5848	CLOSE	3/1/24 12:00 AM	3/15/24 08:27 AM
3839159	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WCPC Testing (1m) 5848	CLOSE	3/1/24 12:00 AM	3/15/24 08:37 AM
3839164	0000248965	PANEL ALARM/ DIALER NEW ONTARIO P.S.	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer New Ontario P.S. Testing (1m) 5848	CLOSE	3/1/24 12:00 AM	3/15/24 08:39 AM
3839754			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	3/1/24 12:00 AM	5/1/24 12:34 PM
3840210	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Health and Safety Inspection (1m) 5848	CLOSE	3/1/24 12:00 AM	3/25/24 02:12 PM
3857527			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	4/1/24 12:00 AM	4/19/24 03:02 PM
3857530			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	4/1/24 12:00 AM	4/4/24 07:54 AM

3857838	0000241371	ENGINE DIESEL 01 BACKUP POWER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel Bear Creek Insp/Test (1m) 5848	CLOSE	4/1/24 12:00 AM	4/23/24 12:29 PM
3857857	0000241372	ENGINE DIESEL EMERG POWER NEW ONTARIO PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel New Ont PS Insp/ Test (1m) 5848	CLOSE	4/1/24 12:00 AM	4/23/24 12:28 PM
3857876	0000248793	UV LIGHT BANK 02	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 02 Insp/Clean/ Service (1m/1y) 5848	CLOSE	4/1/24 12:00 AM	5/1/24 07:39 AM
3857883	0000248794	UV LIGHT BANK 03	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 03 Insp/Clean/ Service (1m/1y) 5848	CLOSE	4/1/24 12:00 AM	5/1/24 07:40 AM
3857890	0000248795	UV LIGHT BANK 01	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 01 Insp/Clean/ Service (1m/1y) 5848	CLOSE	4/1/24 12:00 AM	5/1/24 07:41 AM
3858059			5848, Ailsa Craig WWTP & CS	Compliance	OG35 FEP Review (1y) 5848	CLOSE	4/1/24 12:00 AM	4/16/24 10:06 AM
3858709			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	4/1/24 12:00 AM	4/23/24 12:30 PM
3881697	0000248820	SCRUBBER ODOUR CONTROL OC-7501 HEADWORKS RM	5848, Ailsa Craig WWTP & CS, Process, Sludge Treatment & Handling	Inspection	Quarterly Bird Screen Drum Scrubber inspection (3m) 5848	CLOSE	4/1/24 12:00 AM	4/4/24 07:52 AM
3890446	0000248966	PANEL ALARM/ DIALER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer Bear Creek P.S. Testing (1m) 5848	CLOSE	4/1/24 12:00 AM	4/23/24 12:32 PM
3890451	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WPCP Testing (1m) 5848	CLOSE	4/1/24 12:00 AM	4/23/24 12:34 PM
3890456	0000248965	PANEL ALARM/ DIALER NEW ONTARIO P.S.	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer New Ontario P.S. Testing (1m) 5848	CLOSE	4/1/24 12:00 AM	4/23/24 12:35 PM
3891297			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	4/1/24 12:00 AM	5/1/24 12:40 PM
3891869	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Health and Safety Inspection (1m) 5848	CLOSE	4/1/24 12:00 AM	4/16/24 02:29 PM
3901462	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Compliance	WSER Quarterly Reporting (3m) 5848	CLOSE	4/12/24 12:00 AM	5/2/24 03:04 PM
3903251	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	HVAC Maintenance 5848 (6m)	CLOSE	4/23/24 12:00 AM	6/2/24 10:58 AM
3909476	0000248782	BLOWER POSITIVE DISPLACEMENT BL-6102 DIGESTER 02 DIGESTER AREA	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Blower Bl6102 Digester 02 Insp/ Service (1y) 5848	CLOSE	5/1/24 12:00 AM	5/14/24 02:34 PM
3909489	0000248830	PUMP SUBMERSIBLE P-6102 SLUDGE TRANSFER	5848, Ailsa Craig WWTP & CS, Process, Sludge Treatment & Handling	Refurbish/ Replace/Repair	Pump Cent P6102 Sludge Transfer Insp/Service (1y) 5848	CLOSE	5/1/24 12:00 AM	5/14/24 12:11 PM
3909490	0000248823	PUMP SUBMERSIBLE P-6103 SUPERNATANT CHAMBER FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Pump Cent P6103 Supernate Insp/ Service (1y) 5848	CLOSE	5/1/24 12:00 AM	5/14/24 12:13 PM
3909491	0000248824	PUMP SUBMERSIBLE P-6104 SUPERNATANT CHAMBER FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Pump Cent P6104 Supernate Insp/ Service (1y) 5848	CLOSE	5/1/24 12:00 AM	5/14/24 12:14 PM
3909492	0000248814	PUMP SUBMERSIBLE P-2401 SCUM CLARIFIER AREA	5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Refurbish/ Replace/Repair	Pump Cent Scum Insp/Service (1y) 5848	CLOSE	5/1/24 12:00 AM	5/14/24 12:16 PM
3909493	0000248799	PUMP P7002 ALUM	5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Refurbish/ Replace/Repair	Pump Alum Route Insp/Service (1y) 5848	CLOSE	5/1/24 12:00 AM	5/27/24 03:14 PM
3909499	0000248801	PUMP DIAPHRAGM P-7003 ALUM DOSING FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Refurbish/ Replace/Repair	Pump Alum Route Insp/Service (1y) 5848	CLOSE	5/1/24 12:00 AM	5/27/24 03:15 PM
3909505	0000248800	PUMP P7004 ALUM	5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Refurbish/ Replace/Repair	Pump Alum Route Insp/Service (1y) 5848	CLOSE	5/1/24 12:00 AM	5/27/24 03:15 PM
3909673			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	5/1/24 12:00 AM	5/23/24 03:28 PM
3909676			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	5/1/24 12:00 AM	5/2/24 12:46 PM
3909681			5848, Ailsa Craig WWTP & CS	Inspection	Air Relief Chamber Inspection (6m) 5848	CLOSE	5/1/24 12:00 AM	5/8/24 12:35 PM
3909965	0000241371	ENGINE DIESEL 01 BACKUP POWER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel Bear Creek Insp/Test (1m) 5848	CLOSE	5/1/24 12:00 AM	5/16/24 12:48 PM
3909984	0000241372	ENGINE DIESEL EMERG POWER NEW ONTARIO PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel New Ont PS Insp/ Test (1m) 5848	CLOSE	5/1/24 12:00 AM	5/16/24 12:49 PM
3910003	0000248793	UV LIGHT BANK 02	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Refurbish/ Replace/Repair	Uv Light Bank 02 Insp/Clean/ Service (1m/1y) 5848	CLOSE	5/1/24 12:00 AM	5/23/24 01:48 PM
3910023	0000248794	UV LIGHT BANK 03	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 03 Insp/Clean/ Service (1m/1y) 5848	CLOSE	5/1/24 12:00 AM	5/23/24 03:28 PM
3910030	0000248795	UV LIGHT BANK 01	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Refurbish/ Replace/Repair	Uv Light Bank 01 Insp/Clean/ Service (1m/1y) 5848	CLOSE	5/1/24 12:00 AM	5/23/24 01:43 PM
3910941			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	5/1/24 12:00 AM	5/16/24 12:51 PM
3925666			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Wet Well Inspection (6m) 5848	CLOSE	5/1/24 12:00 AM	5/7/24 11:21 AM
3938825	0000248966	PANEL ALARM/ DIALER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer Bear Creek P.S. Testing (1m) 5848	CLOSE	5/1/24 12:00 AM	5/16/24 12:54 PM
3938830	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WPCP Testing (1m) 5848	CLOSE	5/1/24 12:00 AM	5/13/24 11:56 AM
3938835	0000248965	PANEL ALARM/ DIALER NEW ONTARIO P.S.	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer New Ontario P.S. Testing (1m) 5848	CLOSE	5/1/24 12:00 AM	5/16/24 12:56 PM
3939511			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	5/1/24 12:00 AM	5/31/24 07:42 AM
3939941	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Health and Safety Inspection (1m) 5848	CLOSE	5/1/24 12:00 AM	5/7/24 11:20 AM
3947401			5848, Ailsa Craig WWTP & CS	Inspection	Esa inspection @ Ailsa Craig WPCP 5848	CLOSE	5/3/24 02:16 PM	
3957989	0000248836	GEAR DRIVE 02 TRAVELLING BRIDGE FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Gear Drive Travelling Bridge Insp/ Service (1y) 5848	CLOSE	6/1/24 12:00 AM	6/25/24 10:03 AM
3957992	0000248838	GEAR DRIVE 01 TRAVELLING BRIDGE FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Gear Drive Travelling Bridge Insp/ Service (1y) 5848	CLOSE	6/1/24 12:00 AM	6/25/24 10:05 AM
3957995	0000248835	PUMP SUBMERSIBLE P-3004 FILTER BACKWASH FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Pump Cent Backwash Travelling Bri Insp/Service (1y) 5848	CLOSE	6/1/24 12:00 AM	6/25/24 10:12 AM
3957996	0000248829	PUMP SUBMERSIBLE P-6101 SLUDGE TRANSFER	5848, Ailsa Craig WWTP & CS, Process, Sludge Treatment & Handling	Refurbish/ Replace/Repair	Pump Cent P6101 Sludge Transfer Insp/Service (1y) 5848	CLOSE	6/1/24 12:00 AM	6/25/24 10:16 AM
3957997	0000248834	PUMP SUBMERSIBLE P-3002 FILTER SKIMMER FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Pump Cent Skimmer Travelling Brid Insp/Service (1y) 5848	CLOSE	6/1/24 12:00 AM	6/25/24 10:14 AM
3958314			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	6/1/24 12:00 AM	6/26/24 12:24 PM
3958317			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	6/1/24 12:00 AM	6/5/24 02:55 PM
3958659	0000241371	ENGINE DIESEL 01 BACKUP POWER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel Bear Creek Insp/Test (1m) 5848	CLOSE	6/1/24 12:00 AM	6/21/24 01:34 PM
3958678	0000241372	ENGINE DIESEL EMERG POWER NEW ONTARIO PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel New Ont PS Insp/ Test (1m) 5848	CLOSE	6/1/24 12:00 AM	6/21/24 01:36 PM
3958697	0000248793	UV LIGHT BANK 02	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 02 Insp/Clean/ Service (1m/1y) 5848	CLOSE	6/1/24 12:00 AM	6/27/24 07:56 AM
3958704	0000248794	UV LIGHT BANK 03	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 03 Insp/Clean/ Service (1m/1y) 5848	CLOSE	6/1/24 12:00 AM	6/27/24 08:02 AM
3958711	0000248795	UV LIGHT BANK 01	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank 01 Insp/Clean/ Service (1m/1y) 5848	CLOSE	6/1/24 12:00 AM	6/27/24 08:00 AM
3958718	0000248832	TRAVELLING BRIDGE FILTER 5001 FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Bridge Travelling Insp/Service (3m/ 1y/5y) 5848	CLOSE	6/1/24 12:00 AM	6/25/24 10:10 AM
3959460			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	6/1/24 12:00 AM	6/21/24 01:37 PM
3988670	0000248966	PANEL ALARM/ DIALER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer Bear Creek P.S. Testing (1m) 5848	CLOSE	6/1/24 12:00 AM	6/21/24 01:38 PM
3988675	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WPCP Testing (1m) 5848	CLOSE	6/1/24 12:00 AM	6/21/24 01:40 PM

3988680	0000248965	PANEL ALARM/ DIALER NEW ONTARIO P.S.	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer New Ontario P.S. Testing (1m) 5848	CLOSE	6/1/24 12:00 AM	6/21/24 01:41 PM
3989290			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	6/1/24 12:00 AM	6/21/24 01:56 PM
3989781	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Health and Safety Inspection (1m) 5848	CLOSE	6/1/24 12:00 AM	6/21/24 01:58 PM
4007688	0000248826	PUMP SUBMERSIBLE P-6106 SUPERNATANT DIGESTER AREA	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Pump Cent P6106 Supernate Insp/ Service (1y) 5848	CLOSE	7/1/24 12:00 AM	7/17/24 01:03 PM
4007689	0000248805	PUMP SUBMERSIBLE P-3003 BACKWASH FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Pump Subm Backwash Effluent Pum Insp/Service (1y) 5848	CLOSE	7/1/24 12:00 AM	7/23/24 10:07 AM
4007698	0000248806	PUMP SUBMERSIBLE P-3005 BACKWASH FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Pump Subm Backwash Effluent Pum Insp/Service (1y) 5848	CLOSE	7/1/24 12:00 AM	7/23/24 10:09 AM
4007707	0000248811	PUMP SUBMERSIBLE P-2301 CENT RAS	5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Refurbish/ Replace/Repair	Pump Subm Cent RAS Insp/Service (1y) 5848	CLOSE	7/1/24 12:00 AM	7/17/24 01:39 PM
4007716	0000248812	PUMP SUBMERSIBLE P-2302 CENT RAS	5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Refurbish/ Replace/Repair	Pump Subm Cent RAS Insp/Service (1y) 5848	CLOSE	7/1/24 12:00 AM	7/17/24 01:46 PM
4007877			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	7/1/24 12:00 AM	7/26/24 08:16 AM
4007880			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	7/1/24 12:00 AM	7/22/24 03:38 PM
4008194	0000241371	ENGINE DIESEL 01 BACKUP POWER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel Bear Creek Insp/Test (1m) 5848	CLOSE	7/1/24 12:00 AM	7/15/24 02:23 PM
4008213	0000241372	ENGINE DIESEL EMERG POWER NEW ONTARIO PS	5848, Ailsa Craig WWTP & CS, Facility, Power Generation	Inspection	Engine Diesel New Ont PS Insp/ Test (1m) 5848	CLOSE	7/1/24 12:00 AM	7/15/24 02:19 PM
4008232	0000248785	PUMP SUBMERSIBLE P-5001 EFFLUENT FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Pump Subm Effluent Water Pump 01 Insp/Service (1y) 5848	CLOSE	7/1/24 12:00 AM	7/17/24 01:51 PM
4008241	0000248791	UV LIGHT BANK DISINFECTION FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank Insp/Clean/Service (1m/1y) 5848	CLOSE	7/1/24 12:00 AM	7/26/24 08:25 AM
4008966			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	7/1/24 12:00 AM	7/15/24 02:18 PM
4028788	0000248820	SCRUBBER ODOUR CONTROL OC-7501 HEADWORKS RM	5848, Ailsa Craig WWTP & CS, Process, Sludge Treatment & Handling	Inspection	Quarterly Bird Screen Drum Scrubber inspection (3m) 5848	CLOSE	7/1/24 12:00 AM	7/23/24 10:05 AM
4037138	0000248966	PANEL ALARM/ DIALER BEAR CREEK PS	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer Bear Creek P.S. Testing (1m) 5848	CLOSE	7/1/24 12:00 AM	7/15/24 02:23 PM
4037143	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WCPC Testing (1m) 5848	CLOSE	7/1/24 12:00 AM	7/15/24 02:20 PM
4037148	0000248965	PANEL ALARM/ DIALER NEW ONTARIO P.S.	5848, Ailsa Craig WWTP & CS	Inspection	Alarm Dialer New Ontario P.S. Testing (1m) 5848	CLOSE	7/1/24 12:00 AM	7/15/24 02:21 PM
4037889			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	7/1/24 12:00 AM	7/31/24 02:03 PM
4038508	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Health and Safety Inspection (1m) 5848	CLOSE	7/1/24 12:00 AM	7/12/24 07:33 AM
4048621	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Compliance	WSER Quarterly Reporting (3m) 5848	CLOSE	7/12/24 12:00 AM	7/30/24 09:05 AM
4056675	0000248759	BLOWER POSITIVE DISPLACEMENT BL2103 AERATION BLOWER RM	5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Refurbish/ Replace/Repair	Blower Bl2103 Aeration Insp/ Service (1y) 5848	CLOSE	8/1/24 12:00 AM	8/29/24 03:15 PM
4056688	0000248780	BLOWER POSITIVE DISPLACEMENT BL-6101 DIGESTER 01 DIGESTER AREA	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Blower Bl6101 Digester 01 Insp/ Service (1y) 5848	CLOSE	8/1/24 12:00 AM	8/8/24 10:08 AM
4056701	0000248779	GEAR DRIVE GRIT CLASSIFIER GC-1001 HEADWORKS RM	5848, Ailsa Craig WWTP & CS, Process, Headworks	Refurbish/ Replace/Repair	Drive Classifier Insp/Service (1y) 5848	CLOSE	8/1/24 12:00 AM	8/8/24 09:32 AM
4056704	0000248777	GEAR DRIVE VORTEX GRIT COLLECTOR GR 1001	5848, Ailsa Craig WWTP & CS, Process, Headworks	Refurbish/ Replace/Repair	Drive Speed Reduction Agitator Insp/Service (1y) 5848	CLOSE	8/1/24 12:00 AM	8/8/24 09:34 AM
4056707	0000248786	PUMP SUBMERSIBLE P-5002 EFFLUENT FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Pump Subm Effluent Water Pump 02 Insp/Service (1y) 5848	CLOSE	8/1/24 12:00 AM	8/8/24 09:36 AM
4056716	0000248820	SCRUBBER ODOUR CONTROL OC-7501 HEADWORKS RM	5848, Ailsa Craig WWTP & CS, Process, Sludge Treatment & Handling	Refurbish/ Replace/Repair	Scrubber Odour Control Drum Insp/ Service (1y) 5848	CLOSE	8/1/24 12:00 AM	8/8/24 09:38 AM
4056719	0000248802	TANK STORAGE ALUM FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Inspection	Tank Alum Insp/Service (5y) 5848	CLOSE	8/1/24 12:00 AM	8/30/24 12:32 PM
4056899			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Spill Kit Inspect AC WWTP & CS (6m) 5848	CLOSE	8/1/24 12:00 AM	8/6/24 12:57 PM
4056901			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	8/1/24 12:00 AM	8/29/24 03:18 PM
4056904			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	8/1/24 12:00 AM	8/15/24 07:40 AM
4056909			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	SDS Review - (1y) 5848	CLOSE	8/1/24 12:00 AM	8/22/24 03:17 PM
4057286	0000248791	UV LIGHT BANK DISINFECTION FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank Insp/Clean/Service (1m/1y) 5848	CLOSE	8/1/24 12:00 AM	8/23/24 07:35 AM
4057968			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	8/1/24 12:00 AM	8/15/24 01:46 PM
4080671			5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Refurbish/ Replace/Repair	Tank Bio-solids Insp (3y) 5848	CLOSE	8/1/24 12:00 AM	8/30/24 12:30 PM
4082890	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WCPC Testing (1m) 5848	CLOSE	8/1/24 12:00 AM	8/15/24 01:44 PM
4083479			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	8/1/24 12:00 AM	8/23/24 07:36 AM
4083999	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Health and Safety Inspection (1m) 5848	CLOSE	8/1/24 12:00 AM	8/23/24 07:37 AM
4084943			5848, Ailsa Craig WWTP & CS, Process	Compliance	MLSS Ailsa Craig Waste Water Treatment Plant (1m) 5848	CLOSE	8/1/24 12:00 AM	8/23/24 07:38 AM
4101425	0000248817	PUMP CENT P-6105 SLUDGE CHOPPER FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Sludge Treatment & Handling	Refurbish/ Replace/Repair	Pump Cent Chopper Insp/Service (1y) 5848	CLOSE	9/1/24 12:00 AM	9/3/24 03:50 PM
4101666			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	9/1/24 12:00 AM	9/19/24 02:10 PM
4101669			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	9/1/24 12:00 AM	9/3/24 03:41 PM
4102102	0000248791	UV LIGHT BANK DISINFECTION FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank Insp/Clean/Service (1m/1y) 5848	CLOSE	9/1/24 12:00 AM	9/25/24 01:35 PM
4102109	0000248832	TRAVELLING BRIDGE FILTER 5001 FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Bridge Travelling Insp/Service (3m/ 1y/5y) 5848	CLOSE	9/1/24 12:00 AM	9/19/24 11:01 AM
4102557			5848, Ailsa Craig WWTP & CS	Compliance	Operation SOP Manual Review and Update (2y) 5848	CLOSE	9/1/24 12:00 AM	9/26/24 11:29 AM
4103114			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	9/1/24 12:00 AM	9/18/24 12:31 PM
4131267	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WCPC Testing (1m) 5848	CLOSE	9/1/24 12:00 AM	9/18/24 12:33 PM
4131869			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	9/1/24 12:00 AM	9/25/24 01:41 PM
4132602	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Health and Safety Inspection (1m) 5848	CLOSE	9/1/24 12:00 AM	9/25/24 01:42 PM
4133756			5848, Ailsa Craig WWTP & CS, Process	Compliance	MLSS Ailsa Craig Waste Water Treatment Plant (1m) 5848	CLOSE	9/1/24 12:00 AM	9/20/24 07:46 AM
4152279	0000248758	BLOWER POSITIVE DISPLACEMENT BL2102 AERATION BLOWER RM	5848, Ailsa Craig WWTP & CS, Process, Secondary Treatment	Refurbish/ Replace/Repair	Blower Bl2102 Aeration Insp/ Service (1y) 5848	CLOSE	10/1/24 12:00 AM	10/4/24 10:59 AM
4152292	0000248787	TANK PRESSURE T-5001 EFFLUENT WATER FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Meter Press Effluent Water Tank Insp(1y) 5848	CLOSE	10/1/24 12:00 AM	10/22/24 11:36 AM
4152465			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	10/1/24 12:00 AM	10/24/24 10:55 AM
4152468			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	10/1/24 12:00 AM	10/4/24 07:38 AM

4152872	0000248791	UV LIGHT BANK DISINFECTION FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank Insp/Clean/Service (1m/1y) 5848	CLOSE	10/1/24 12:00 AM	10/24/24 10:57 AM
4153610			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	10/1/24 12:00 AM	10/22/24 11:11 AM
4174271	0000248820	SCRUBBER ODOUR CONTROL OC-7501 HEADWORKS RM	5848, Ailsa Craig WWTP & CS, Process, Sludge Treatment & Handling	Inspection	Quarterly Bird Screen Drum Scrubber inspection (3m) 5848	CLOSE	10/1/24 12:00 AM	
4182232	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WCPC Testing (1m) 5848	CLOSE	10/1/24 12:00 AM	
4182999			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	10/1/24 12:00 AM	10/22/24 11:03 AM
4183754	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Health and Safety Inspection (1m) 5848	CLOSE	10/1/24 12:00 AM	10/22/24 11:01 AM
4184842			5848, Ailsa Craig WWTP & CS, Process	Compliance	MLSS Ailsa Craig Waste Water Treatment Plant (1m) 5848	CLOSE	10/1/24 12:00 AM	10/22/24 10:57 AM
4193946			5848, Ailsa Craig WWTP & CS, Facility	Compliance	WSER Quarterly Reporting (3m) 5848	CLOSE	10/12/24 12:00 AM	
4195779			5848, Ailsa Craig WWTP & CS, Facility	Inspection	HVAC Maintenance 5848 (6m)	COMP	10/23/24 12:00 AM	12/19/24 10:04 AM
4201898			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	CLOSE	11/1/24 12:00 AM	
4201901			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	CLOSE	11/1/24 12:00 AM	11/8/24 12:02 PM
4201906			5848, Ailsa Craig WWTP & CS	Inspection	Air Relief Chamber Inspection (6m) 5848	CLOSE	11/1/24 12:00 AM	11/7/24 03:20 PM
4202355	0000248791	UV LIGHT BANK DISINFECTION FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank Insp/Clean/Service (1m/1y) 5848	CLOSE	11/1/24 12:00 AM	
4203086			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	CLOSE	11/1/24 12:00 AM	11/7/24 07:41 AM
4214451			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Wet Well Inspection (6m) 5848	CLOSE	11/1/24 12:00 AM	11/7/24 03:23 PM
4226449	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WCPC Testing (1m) 5848	CLOSE	11/1/24 12:00 AM	11/1/24 12:02 PM
4226949			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	CLOSE	11/1/24 12:00 AM	
4227451			5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Health and Safety Inspection (1m) 5848	CLOSE	11/1/24 12:00 AM	11/14/24 07:43 AM
4228386			5848, Ailsa Craig WWTP & CS, Process	Compliance	MLSS Ailsa Craig Waste Water Treatment Plant (1m) 5848	CLOSE	11/1/24 12:00 AM	11/14/24 07:42 AM
4243664	0000248771	BLOWER POSITIVE DISPLACEMENT VORTEX GRIT REMOVAL HEADWORKS RM	5848, Ailsa Craig WWTP & CS, Process, Headworks	Refurbish/ Replace/Repair	Blower Grit Removal Insp/Service (1y) 5848	COMP	12/1/24 12:00 AM	12/19/24 10:08 AM
4243831			5848, Ailsa Craig WWTP & CS	Refurbish/ Replace/Repair	Chemical System Flushing (1m) 5848	COMP	12/1/24 12:00 AM	
4243834			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Insp/Calib (1m) 5848	COMP	12/1/24 12:00 AM	
4244260	0000248791	UV LIGHT BANK DISINFECTION FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Disinfection	Inspection	Uv Light Bank Insp/Clean/Service (1m/1y) 5848	COMP	12/1/24 12:00 AM	
4244267	0000248832	TRAVELLING BRIDGE FILTER 5001 FILTER RM	5848, Ailsa Craig WWTP & CS, Process, Tertiary Treatment	Refurbish/ Replace/Repair	Bridge Travelling Insp/Service (3m/ 1y/5y) 5848	COMP	12/1/24 12:00 AM	
4244695			5848, Ailsa Craig WWTP & CS	Inspection	PH Probe Replacement (1y) 5848	COMP	12/1/24 12:00 AM	12/19/24 10:21 AM
4244977			5848, Ailsa Craig WWTP & CS	Inspection	Engine Diesel Ailsa Craig WWTP Insp/Test (1m) 5848	COMP	12/1/24 12:00 AM	12/17/24 09:13 AM
4267973	0000248967	PANEL ALARM/ DIALER ELECTRICAL RM	5848, Ailsa Craig WWTP & CS, Facility	Inspection	Alarm Dialer Ailsa Craig WCPC Testing (1m) 5848	COMP	12/1/24 12:00 AM	
4268374			5848, Ailsa Craig WWTP & CS	HEALTH AND SAFETY	Workplace Inspection Report (1m)	COMP	12/1/24 12:00 AM	12/11/24 11:59 AM
4268884			5848, Ailsa Craig WWTP & CS, Facility	HEALTH AND SAFETY	Health and Safety Inspection (1m) 5848	COMP	12/1/24 12:00 AM	
4269780			5848, Ailsa Craig WWTP & CS, Process	Compliance	MLSS Ailsa Craig Waste Water Treatment Plant (1m) 5848	COMP	12/1/24 12:00 AM	
4270908			5848, Ailsa Craig WWTP & CS	Predictive Maintenance	Rotate Impellers	COMP	12/1/24 12:00 AM	12/19/24 10:20 AM
4278873			5848, Ailsa Craig WWTP & CS	Compliance	Sampling Calendar Review (1y) 5848/6001	COMP	12/15/24 12:00 AM	12/24/24 08:48 AM

Appendix B

2024 Calibration Reports



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Flow Transmitter

Assigned Number: FIT 1001

Area Located: Ailsa Craig

OCWA Number: 0000248840

Instrument Data

Manufacturer: Siemens

Model Number: Sitrans M Mag Flow

Type: Magmeter 5"

Serial Number: 7ME6910-1AA10-1BA0

Range: 0-50 l/s

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
0	4.0 mA	0.00 l/s	0.00 l/s	Pass
25	8.0 mA	12.50 l/s	12.50 l/s	Pass
50	12.0 mA	25.02 l/s	25.02 l/s	Pass
75	16.0 mA	37.52 l/s	37.52 l/s	Pass
100	20.0 mA	50.00 l/s	50.00 l/s	Pass
19.02	7.04mA	9.51 l/s	9.51 l/s	Pass

Confirmed Run Mode:

Placed back in service:

Comments:

Verification of original calibration only.



Cal Factor 18.4864 Excitation 7.5 Hz

Checked By: Greg Pierce CCST

Signature: 



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Flow Transmitter

Assigned Number: FIT 2301

Area Located: Ailsa Craig

OCWA Number: 0000248841

Instrument Data

Manufacturer: Siemens

Model Number: Strans M Mag Flow

Type: Magmeter 3"

Serial Number: 626315N276

Range: 0-15 l/s

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
0	4.0 mA	0.00 l/s	0.00 l/s	
25	8.0 mA	12.48 l/s	12.48 l/s	Pass
50	12.0 mA	24.95 l/s	24.95 l/s	Pass
75	16.0 mA	37.53 l/s	37.53 l/s	Pass
100	20.0 mA	50.00 l/s	50.00 l/s	Pass
27.3	8.37mA	13.65 l/s	13.65 l/s	Pass

Confirmed Run Mode:

Placed back in service:

Comments:

Verification of original calibration only.



Cal Factor 4.68506 Excitation 7.5 Hz

Checked By: Greg Pierce CCST

Signature: _____



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Flow Transmitter

Assigned Number: FIT 5001

Area Located: Ailsa Craig

OCWA Number: 0000248842

Instrument Data

Manufacturer: Siemens

Model Number: Sitrans M Mag Flow

Type: Magmeter 12"

Serial Number: 626015N276

Range: 0-50 l/s

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
0	4.0 mA	0.00 l/s	0.00 l/s	
25	8.0 mA	12.47 l/s	12.47 l/s	Pass
50	12.0 mA	25.00 l/s	25.00 l/s	Pass
75	16.0 mA	37.46 l/s	37.46 l/s	Pass
100	20.0 mA	50.00 l/s	50.00 l/s	Pass
24.4	7.94 mA	8.6 l/s	8.6 l/s	Pass

Confirmed Run Mode:

Placed back in service:

Comments:

Verification of original calibration only.



Cal Factor: 77.9432 Exciton 3.75 Hz

Checked By: Greg Pierca CCST

Signature: _____



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Flow Transmitter

Assigned Number: FIT 4002

Area Located: North Ontario Pumping Station

AMMS Number: N/A

Instrument Data

Manufacturer: Siemens

Model Number: Sitrans M Mag Flow

Type: Magmeter 5"

Serial Number: 626115N276

Range: 0-50 l/s

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
0	4.0 mA	0.00 l/s	0.00 l/s	
25	8.0 mA	12.64 l/s	12.64 l/s	Pass
50	12.0 mA	24.93 l/s	24.93 l/s	Pass
75	16.0 mA	37.50 l/s	37.50 l/s	Pass
100	20.0 mA	50.00 l/s	50.00 l/s	Pass
27%	8.35 mA	13.61 l/s	13.61 l/s	Pass

Confirmed Run Mode:

Placed back in service:

Comments:

Verification of original calibration only.



Checked By: Greg Pierce CCST

Signature: 



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Filter Screen Level
LIT 1001

Area Located: Alsa Craig WPCP

AMMS Number: N/A

Instrument Data

Manufacturer: Milltronics

Model Number: MultiRanger 200

Type: Ultrasonic

Serial Number: PBD-R4130001

Range: 0-1.080 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
#1	10:03 mA	0.24	0.24	Pass
#2		0.69	0.69	Pass
#3		0.45	0.45	Pass

Confirmed Run Mode:

Placed back in service:

Comments:



Checked By: Greg Pierce CCST

Signature: 



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Aerobic Digester 2 Level
LIT 8102

Area Located: Ailsa Craig WPCP

AMMS Number: N/A

Instrument Data

Manufacturer: Miltronics

Model Number: 100

Type: Ultrasonic

Serial Number: PBD/U83100834

Range: 0-5.080 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
	16.14 mA	3.37 m	3.37 m	Pass

Confirmed Run Mode:

Placed back in service:

Comments:

Transducer Improperly Mounted



Checked By: Greg Pierce CCST

Signature: 



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Aerobic Digester 1 Level
LIT 8101

Area Located: Ailsa Craig WPCP

AMMS Number: N/A

Instrument Data

Manufacturer: Milltronics

Model Number: 100

Type: Ultrasonic

Serial Number: PBD/U8300533

Range: 0-5.610 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
	16.54 mA	4.41 m	4.41 m	Pass

Confirmed Run Mode:

Placed back in service:

Comments:



Checked By: Greg Pierce CCST

Signature:



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Wet Well Level LIT 4001

Area Located: Ailsa Craig William St. SPS

AMMS Number: N/A

Instrument Data

Manufacturer: Milltronics

Model Number: 100

Type: Ultrasonic

Serial Number: PBD/U7210031

Range: 0-2.770 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
	11.05 mA	1.22 m	1.22 m	Pass

Confirmed Run Mode:

Placed back in service:

Comments:



Checked By: Greg Pierce CCST

Signature: 



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Wet Well Level

Area Located: Ailsa Craig New Ontario SPS

AMMS Number: N/A

Instrument Data

Manufacturer: Milltronics

Model Number: 100

Type: Ultrasonic

Serial Number: PBD/U8310308

Range: 0-4.350 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
	8.34 mA	1.18 m	1.18 m	Pass


Confirmed Run Mode:

Placed back in service:

Comments:



Checked By: Greg Pierce CCST

Signature: 



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Wet Well Level LIT 4002

Area Located: Ailsa Craig Bear Creek SPS

AMMS Number: N/A

Instrument Data

Manufacturer: Milltronics

Model Number: 100

Type: Ultrasonic

Serial Number: PBD/U8300768

Range: 0-2.895 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
	10.14 mA	1.11 m	1.11 m	Pass

Confirmed Run Mode:

Placed back in service:

Comments:



Checked By: Greg Pierce CCST

Signature: MA



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Sludge Tank Level
LIT 6104

Area Located: Ailsa Craig WPCP

AMMS Number: N/A

Instrument Data

Manufacturer: Milltronics

Model Number: 100

Type: Ultrasonic

Serial Number:

Range: 0-8.820 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
	8.66 mA	2.57 m	2.57 m	Pass

Confirmed Run Mode:

Placed back in service:

Comments:

Unit has occasional LOE (Loss of Echo)



Checked By: Greg Pierce CCST

Signature: _____



Pierce Services & Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Supernatant Tank Level
LIT 6105

Area Located: Ailsa Craig WPCP

AMMS Number N/A

Instrument Data

Manufacturer: Milltronics

Model Number: 100

Type: Ultrasonic

Serial Number:

Range: 0-1.400 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
	8.51 mA	0.12 m	0.12 m	Pass

Confirmed Run Mode:

Placed back in service:

Comments:



Checked By: Greg Pierce CCST

Signature:



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Septage Tank Level
LIT 1004

Area Located: Ailsa Craig WPCP

AMMS Number: N/A

Instrument Data

Manufacturer: Miltronics

Model Number: 100

Type: Ultrasonic

Serial Number: PBD/U7210035

Range: 0-3.390 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
53.90%	12.62 mA	1.83 m	1.83 m	Pass

Confirmed Run Mode:

Placed back in service:

Comments:



Checked By: Greg Pierce CCST

Signature: 



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.9402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Alum Tank Level LIT 7001

Area Located: Ailsa Craig WPCP

AMMS Number: N/A

Instrument Data

Manufacturer: Milltronics

Model Number: 100

Type: Ultrasonic

Serial Number: PBD/U7210024

Range: 0-2.91 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
	14.23 mA	1.86 m	1.86 m	Pass

Confirmed Run Mode:

Placed back in service:

Comments:



Checked By: Greg Pierce CGST

Signature:



Pierce Services
& Solutions Inc.

519.820.4853 Fax 519.824.0402

Instrument Verification Sheet

Client Name: Ontario Clean Water Agency

Date: March 25, 2024

Equipment Description: Level Transmitter

Assigned Number: Supernatant Holding Level
LIT 8103

Area Located: Ailsa Craig WPCP

AMMS Number: N/A

Instrument Data

Manufacturer: Milltronics

Model Number: 100

Type: Ultrasonic

Serial Number: PBD/UN146147

Range: 0-5.610 m

Accuracy: +/- 5%

Method Of Calibration: Standard Verification

Application: Waste Water

Calibration Data

Input %	Input	As Found	As Left	Pass/Fail
	9.18 mA	1.56 m	1.56 m	Pass

Confirmed Run Mode:

Placed back in service:

Comments:



Checked By: Greg Pierce CCST

Signature:

Appendix C

2024 Monitoring Data

5848 AILSA CRAIG WASTEWATER TREATMENT FACILITY 110002050

	1 / 2024	2 / 2024	3 / 2024	4 / 2024	5 / 2024	6 / 2024	7 / 2024	8 / 2024	9 / 2024	10 / 2024	11 / 2024	12 / 2024	<-Total-->	<-Avg-->	<-Max-->	<-Criteria-->
Flows																
Raw Flow: Total - Raw Sewage m ³ /d	35,096.00	20,991.00	23,040.00	24,622.00	20,081.00	17,313.00	26,009.00	17,020.00	14,437.00	14,076.00	14,962.00	24,319.00	251,966.00			0.00
Raw Flow: Avg - Raw Sewage m ³ /d	1,132.13	723.83	743.23	820.73	647.77	577.10	839.00	549.03	481.23	454.06	498.73	784.48		688.43		1,210.00
Raw Flow: Max - Raw Sewage m ³ /d	2,628.00	1,161.00	929.00	1,591.00	743.00	847.00	2,435.00	814.00	566.00	501.00	591.00	2,253.00			2,628.00	0.00
Raw Flow: Count - Raw Sewage m ³ /d	31.00	29.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	366.00			0.00
Eff. Flow: Total - Final Effluent m ³ /d	35,457.00	21,029.00	23,114.00	24,797.00	20,077.00	17,128.00	26,298.00	16,826.00	15,020.00	13,002.00	14,626.00	24,427.00	251,801.00			0.00
Eff. Flow: Avg - Final Effluent m ³ /d	1,143.77	725.14	745.61	826.57	647.65	570.93	848.32	542.77	500.67	419.42	487.53	787.97		687.98		0.00
Eff. Flow: Max - Final Effluent m ³ /d	2,667.00	1,148.00	1,032.00	1,569.00	832.00	823.00	2,431.00	794.00	910.00	551.00	652.00	2,382.00			2,667.00	0.00
Eff Flow: Count - Final Effluent m ³ /d	31.00	29.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	366.00			0.00
Carbonaceous Biochemical Oxygen Demand: CBOD																
Eff: Avg cBOD5 - Final Effluent mg/L	< 3.40	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.25	< 2.00	< 2.00	< 2.00	< 2.00		< 2.15	< 3.40	10.00
Eff: # of samples of cBOD5 - Final Effluent	5.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	5.00	5.00	53.00			0.00
Loading: cBOD5 - Final Effluent kg/d	< 3.889	< 1.450	< 1.491	< 1.653	< 1.295	< 1.142	< 1.697	< 1.221	< 1.001	< 0.839	< 0.975	< 1.578		< 1.48	< 3.89	12.100
Biochemical Oxygen Demand: BOD5																
Raw: Avg BOD5 - Raw Sewage mg/L	85.00	46.00	150.00	122.00	66.00	40.00	183.00	123.00	147.00	109.00	113.00	192.00		114.67	192.00	0.00
Raw: # of samples of BOD5 - Raw Sewage	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Total Suspended Solids: TSS																
Raw: Avg TSS - Raw Sewage mg/L	82.00	28.00	97.00	108.00	53.00	33.00	139.00	158.00	212.00	50.00	32.00	132.00		93.67	212.00	0.00
Raw: # of samples of TSS - Raw Sewage	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Eff: Avg TSS - Final Effluent mg/L	< 2.00	< 2.00	< 2.00	< 2.20	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 3.80	< 2.00	< 2.00		< 2.19	< 3.80	10.00
Eff: # of samples of TSS - Final Effluent	5.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	5.00	53.00			0.00
Loading: TSS - Final Effluent kg/d	< 2.288	< 1.450	< 1.491	< 1.818	< 1.295	< 1.142	< 1.697	< 1.086	< 1.001	< 1.594	< 0.975	< 1.578		< 1.51	< 2.29	12.100
Percent Removal: TSS - Raw Sewage %	97.56	92.86	97.94	97.96	96.23	93.94	98.56	98.73	99.06	92.40	93.75	98.48		96.46	99.06	0.00
Total Phosphorus: TP																
Raw: Avg TP - Raw Sewage mg/L	1.89	1.21	1.89	2.29	1.70	1.42	3.14	2.52	3.75	2.94	2.91	3.68		2.43	3.75	0.00
Raw: # of samples of TP - Raw Sewage	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Eff: Avg TP - Final Effluent mg/L	0.05	< 0.03	0.04	0.11	0.21	0.27	0.31	0.26	0.25	0.20	0.22	0.20		0.18	0.31	0.50
Eff: # of samples of TP - Final Effluent	5.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	5.00	53.00			0.00
Loading: TP - Final Effluent kg/d	0.053	< 0.022	0.026	0.088	0.134	0.154	0.263	0.138	0.123	0.084	0.108	0.161		0.12	0.26	0.600
Percent Removal: TP - Raw Sewage %	97.28	97.52	98.15	95.37	87.79	80.99	90.13	89.88	93.47	93.20	92.35	94.43		92.55	98.15	0.00
Nitrogen Series																
Raw: Avg TKN - Raw Sewage mg/L	16.40	12.40	24.80	21.00	16.00	14.90	27.90	23.30	33.90	26.80	28.10	30.50		23.00	33.90	0.00
Raw: # of samples of TKN - Raw Sewage	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Eff: Avg TAN - Final Effluent mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.13	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.13	2.00
Eff: # of samples of TAN - Final Effluent	5.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	5.00	53.00			0.00
Loading: TAN - Final Effluent kg/d	< 0.114	< 0.073	< 0.075	< 0.083	< 0.065	< 0.057	< 0.085	< 0.068	< 0.050	< 0.042	< 0.049	< 0.079		< 0.07	< 0.11	2.420
Disinfection																
Eff: GMD E. Coli - Final Effluent cfu/100mL	2.52	1.00	1.00	1.00	1.00	1.00	1.00	3.16	1.00	1.00	1.00	1.43				200.00
Eff: # of samples of E. Coli - Final Effluent	5.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	4.00	5.00	4.00	5.00	53.00			0.00